

Student Score = 20

b. Explain your prediction.

In 1983 there was heavy rainfall which crashed the plants that produced big seeds but the plants that produce small seeds survived. As a result, I feel that the beak depth would decrease. The main reason I say the beak depth would decrease is because of struggle for survival and reproduction this means that individuals that are best fit for their environment will survive and reproduce offspring with the same traits. As a result, their beak depth would decrease because there would be no need to have a big beak if there are small seeds to eat now. This is an example of genetic variation because over time individuals would change so they could be more likely to survive. The last part of natural selection is overpopulation of offspring and this also takes place because the finches with big beaks will more than likely die before the finches with smaller beaks because so this will not cause the environment to be overpopulated and not able to provide food or space. As a result, the beaks will decrease all because of natural selection and its three principles genetic variation, overproduction of offspring, and struggle for survival and reproduction.

Student Response

In 1983 there was heavy rainfall which crashed the plants that produced big seeds but the plants that produce small seeds survived. As a result, I feel that the beak depth would decrease. The main reason I say the beak depth would decrease is because of struggle for survival and reproduction this means that individuals that are best fit for their environment will survive and reproduce offspring with the same traits. As a result, their beak depth would decrease because there would be no need to have a big beak if there are small seeds to eat now. This is an example of genetic variation because over time individuals would change so they could be more likely to survive. The last part of natural selection is over population of offspring and this also takes place because the finches with big beaks will more than likely die before the finches with smaller beaks because so this would not cause the environment to be overpopulated and not able to provide food or space. As a result, the beaks will decrease all because of natural selection and its three principles genetic variation, overproduction of offspring, and struggle for survival and reproduction.